MDCLXXX.

AN ALMANACK OF

Cœleſtial Motions for the Year of the *Chriſtian Æpocha*,

1680.

Being in our Account firſt after *Leap-year*:
And from the Creation,

5629.

The Vulgar Notes.

Golden Numb.	9.	Epact	9.
Cycle of the Sun.	9.	Rom. Indict.	3.
Dominic. Let.	C.	Num. Direct.	21.

Calculated for the Meridian of Boſton *in* New-England, *where the* Artick Pole *is elevated* 42 Degrees & 30 Minutes.

by John Foster

Printed for *John Uſher* of *Boſton* 1680.

TO THE READER.

After the Aſpects of the Sun and Moon you have 1. the day of the Moneth, 2. The day of the week. 3dly. Planets Aſpects, &c. 4. The Suns place, 5. The Suns-riſing, which ſubtracted from 12. h. gives the time of his ſetting. The hours and minutes of his riſing doubled gives the length of the night; and double the time of his ſetting is the length of the day. 6. The time of full Sea at *Boſton* in the day. 7. The time when the Guards (which are two Stars in the great Bear, or Charls-wain by ſome called the Pointers) come to be North that is directly over or directly under the Pole. The uſe of which may be to know the time of the night, and will ſerve without any ſenſible error for many years to come. There are five other Stars in the great Bear, the middlemoſt of which comes to the North two hours after the Guards, and the laſt of which almoſt 3. hours after them; which Stars by an Ocular obſervation only will direct to the time of the night at all times of the year. *Ex. gr.* March 1. Guards North 10. h. 14. m. i.e. are directly over the Pole 14. m. paſt 10 night, the middle Star of the other five therefore muſt be North two hours after, i.e. 14. min. paſt 12. and the laſt 14. min. paſt 1. will be directly over the Pole.

Of the Eclipſes this year, 1680.

1. Of the Sun, March 20. 43. m. paſt 5. in the Morning, which happing near the South Node, will therefore in it ſelf be a great Eclipſe, but not viſible to us.

2. Of the Sun, September 12. 20. min. paſt 2. at Noon, in it ſelf alſo a great Eclipſe, but not appearing to us.

3. Of the Moon, Febr. 22. half an hour paſt 6. in the Morning, the one half whereof will be viſible to ſuch as are early enough to ſee it.

March hath 31 Dayes.

Full moon 5 day 2 min. past 2 Morn
Last quarter 13 day 18 min past 6 morn.
New moon 20 day 43 min past 5 morn.
First quar. 26 day 40. min. past 8 night.

			Sunn place	Sunrifeth.					
1	2			22	9	6	12	8M 35	11 10
2	3	☾. *Aff.* *Boſton.* ♉		23	9	6	11	9 ♏ 22	11 Gain 21
3	4	(C. *Plimouth*		24	9	6	10	10 07	11 07
4	5	C. Court *Harford.*		25	8	6	8	10 56	11 03
5	6			26	8	6	7	11 34	10 58
6	7	☽☊		27	8	6	5	12 12	10 56
7	1	☽. Apoge.		28	7	6	4	12 54	10 52
8	2	☌♑☽		29	7	6	2	1 40	10 48
9	3	C. *Fairfield*		30	6	6	1	2 24	10 45
10	4			1 ♈	6	6	00	3 12	10 41
11	5			2	5	5	59	4 cc	10 37
12	6	□☿☉ ☌♂♀		3	5	5	57	4 50	10 33
13	7	☌♄☽		4	4	5	56	5 39	10 30
14	1			5	3	5	55	6 3C	10 26
15	2	□♃♀		6	2	5	53	7M 3	10 23
16	3			7	2	5	52	7 57	10 20
17	4	△♄☽ ☌♀☽		8	0	5	50	8 45	10 16
18	5			8	59	5	48	9 40	10 12
19	6	☌☉♀		9	58	5	46	10 33	10 09
20	7	*Sun Eclipſed.*		10	57	5	44	11 27	10 05
21	1			11	56	5	43	12 22	10 01
22	2	□♄☌		12	55	5	41	1 18	9 58
23	3	Moon *Perige*		13	54	5	40	2 15	9 54
24	4			14	53	5	39	3 14	9 51
25	5	☌♄☽		15	52	5	38	4 15	9 48
26	6			16	51	5	37	5 15	9 44
27	7	□☿☽		17	49	5	36	6 10	9 40
28	1			18	48	5	34	6M 37	9 37
29	2			19	47	5	33	7 30	9 33
30	3	Court *Ipſwich.* &		20	46	5	32	8 14	9 29
31	4	(*Northampton.*		21	45	5	30	9 cc	9 25

April hath 30 dayes.

Full moon 3 day 48 min. paſt 6 night.
Laſt quar. 11 day 17 min. paſt 8 night.
New moon 18 day 40 min. paſt 1 afternoon.
Firſt quar. 25 day 15 min. paſt 9 morn.

				Suns Place.			Sun riſeth.		Full Sea at *Boſton.*		Guards North.	
1	♈	☌♂ ✶♅♆		22	43	♈	28	9	38	9	21
2	♉			23	41	♈	27	10	20	9	17
3	♊	Lun Apoge.		24	40	♈	26	11	02	9	13
4	♋			25	38	♈	24	11	46	9	09
5	♌	☌♅ ☌☿☽		26	37	♈	23	12	27	9	06
6	♍	Court Cambridge.		27	35	♈	22	1	10	9	02
7	♎			28	34	♈	20	1	57	8	58
8	♏	□♀ ☌♅♆		29	32	♈	18	2	48	8	55
9	♐	△☉ ☌♄		♉ 0	30	♈	17	3	40	8	51
10	♑	□♂		1	29	♈	16	4	36	8	47
11	♒			2	27	♈	15	5	27	8	43
12	♓			3	25	♈	14	6	05	8	39
13	♈	C. *Salisbury.*		4	23	♈	13	6M	27	8	34
14	♉	□☿ ✶♄☉		5	21	♈	11	7	27	8	31
15	♊			6	20	♈	10	8	25	8	28
16	♋	☌♀ Lun. ♈		7	18	♈	09	9	15	8	24
17	♌	□♄♂		8	16	♈	07	10	10	8	21
18	♍	*Moon* Perige		9	14	♈	06	11	05	8	17
19	♎	☌♅ Lun. ☌☿Lun		10	12	♈	04	12	05	8	14
20	♏			11	09	♈	03	1	02	8	10
21	♐			12	08	♈	02	2	05	8	06
22	♑	☌♄ □♀		13	06	♈	01	3	08	8	02
23	♒	✶♅		14	04	♉	00	4	11	7	58
24	♓			15	02	♈	59	5	04	7	54
25	♈	□ Jov. & Lun.		15	59	♈	57	5	56	7	51
26	♉			16	57	♈	56	6	38	7	47
27	♊	C. Court *Boſton.*		17	54	♈	55	7	20	7	43
28	♋			18	53	♈	54	7M	40	7	40
29	♌	□♄ Lun ♉		19	52	♈	53	8	20	7	36
30	♍			20	50	♈	52	9	00	7	32

May hath 31 Dayes.

Full moon 3 day 32 min. paſt 10 beforeno on.
Laſt quarter 11 day 18 min paſt 10 beforenoon.
New moon 17 day 13 min paſt 9 night.
Firſt quar. 24 day 20. min. paſt 10 night.

				Sunes place			Sunrifeth.		Full Sea Boſton.			Guards North.	
1	7	☽ Apoge.		21	46	4	51	9	47	7	28
2	1			22	44	4	50	10	30	7	24
3	2	☌♃☽ ☌☉Jup		23	41	4	49	11	14	7	20
4	3			24	39	4	48	12	04	7	16
5	4	✶♄♂		25	36	4	47	12	52	7	12
6	5			26	34	4	46	1	45	7	08
7	6	△♂ ☌☿☉		27	32	4	45	2	33	7	04
8	7	△☉Lun. △♀☽		28	29	4	44	3	25	7	00
9	1			29	27	4	43	4	18	6	56
10	2			☌ ♊	24	4	42	5	11	6	52
11	3	△♄ ✶♂ ☌♃♀		1	21	4	41	6	08	6	48
12	4			2	19	4	40	6	50	6	44
13	5	C. Elect. *Hartford.*		3	16	4	39	7M	12	6	40
14	6	☽☋		4	14	4	39	8	04	6	36
15	7			5	11	4	38	8	52	6	32
16	1	☌♂ Moon *Perige*		6	09	4	37	9	45	6	28
17	2	☌ Jov.& Lun.		7	06	4	36	10	46	6	24
18	3			8	03	4	35	11	49	6	20
19	4	C. *Election* Boſton.		9	01	4	34	12	53	6	16
20	5	☌♄☽ ✶♂		9	58	4	33	1	55	6	12
21	6			10	55	4	33	2	49	6	08
22	7			11	52	4	32	3	46	6	04
23	1	□♂☽		12	50	4	31	4	42	6	00
24	2			13	47	4	31	5	23	5	56
25	3	C. Aſſiſt. Hartford.		14	44	4	30	6	07	5	52
26	4			15	41	4	30	6M	27	5	48
27	5	☌♂♀		16	39	4	29	7	04	5	44
28	6			17	36	4	29	7	45	5	40
29	7	☌♂☽ ☌♀☽		18	33	4	28	8	30	5	36
30	1			19	30	4	28	9	12	5	31
31	2	☌ Jov.& Lun		20	27	4	28	9	52	5	27

June hath 30 dayes.

Full moon 2 day 36 min. past 1 morn.
Last quar. 9 day 43 min. past 2 afternoon.
New moon 16 day 54 min. past 4 morn.
First quar. 23 day 50 min. past 1 afternoon.

				Suns place.	Sun rising		Full Sea Boston.		Gurds North.	
1	3	C. Elect. *Plimouth.* &	21	24	4	28	10	27	5	23
2	4	(C. *New-London*	22	21	4	28	11	24	5	20
3	5	☌☿☿ ☌☿♅	23	19	4	27	12	22	5	15
4	6		24	16	4	27	1	16	5	10
5	7	△☌☽ △☿☽	25	13	4	27	2	10	5	06
6	1		26	10	4	27	3	02	5	02
7	2	Artil. Elect. *Boston.*	27	07	4	26	3	50	4	58
8	3		28	04	4	26	4	43	4	54
9	4	Court *New-haven.*	29	01	4	26	5	30	4	50
10	5	☌☿☌	29	58	4	26	6	15	4	46
11	6		☋ 00	55	4	26	6	M42	4	42
12	7	☌☿☿	01	52	4	26	7	39	4	38
13	1		02	49	4	26	8	33	4	35
14	2	☍☿☽ ☌☿☽	03	46	4	26	9	27	4	30
15	3	Court *Charlstown.*	04	44	4	26	10	28	4	25
16	4		05	41	4	26	11	31	4	20
17	5	Terra Aphelion.	06	38	4	27	12	29	4	17
18	6		07	35	4	27	1	28	4	13
19	7	✶♅☽ ✶☌☽	08	32	4	27	2	14	4	09
20	1		09	29	4	27	3	00	4	04
21	2	✶♄☽	10	26	4	28	3	38	4	00
22	3	Lun in ♌	11	23	4	28	4	27	3	56
23	4	☌♄☉	12	20	4	28	5	20	3	52
24	5		13	17	4	29	6	00	3	48
25	6		14	14	4	29	6	43	3	44
26	7	Lun Apoge	15	11	4	29	7	M03	3	40
27	1		16	08	4	30	7	48	3	36
28	2	☌♄☿	17	05	4	30	8	35	3	32
29	3	Court at *Salem.*	18	02	4	31	9	24	3	28
30	4		19	00	4	32	10	15	3	23

July hath 31 dayes.

Full moon 1 day 45 min. past 2 afternoon.
Last quar. 8 day 36 min. past 7 night.
New moon 15 day 3 min. past 2 afternoon.
First quarter 23 day 35 min. past 6 morn.
Full moon 31 day 40 min past 2 morning.

			Suns place.		Sun riseth.		Full Sea Boston.		Guards north.	
1	5	☌ ♄ ☽ ☌ ☿ ☽	19	57	4	32	11 09	3	19
2	6	☌ ☉ ☿	20	54	4	33	12 02	3	15
3	7		21	51	4	33	12 55	3	11
4	1		22	48	4	34	1 44	3	07
5	2	Artil. Elect. *Salem.*	23	45	4	35	2 35	3	03
6	3	Court *Plimouth.*	24	42	4	36	3 20	2	59
7	4		25	39	4	36	4 10	2	55
8	5	Moon perige	26	37	4	37	4 56	2	51
9	6	☌ ♄ ♀	27	34	4	38	5 48	2	47
10	7		28	31	4	39	6 39	2	43
11	1	Venus and Mercury	29	28	4	40	7♏10	2	39
12	2	are hid by the Sun	00	♌ 25	4	41	8 08	2	35
13	3	the most part of this	1	23	4	42	9 07	2	31
14	4	Moneth.	2	20	4	43	10 06	2	27
15	5		3	17	4	44	11 05	2	23
16	6		4	14	4	45	12 05	2	19
17	7	✶ ☌ ☽	5	12	4	46	12 52	2	15
18	1	✶ ♄ ☽	6	09	4	47	1 42	2	11
19	2		7	06	4	48	2 26	2	07
20	3	△ ♃ ☽ ☽ ☊	8	04	4	49	3 09	2	03
21	4		9	01	4	50	3 54	1	59
22	5	moon Apoge	9	59	4	51	4 37	1	55
23	6		10	56	4	52	5 18	1	51
24	7	✶ ♃ ☉ ✶ ☌ ☿	11	53	4	53	6 02	1	47
25	1		12	51	4	54	6 48	1	43
26	2		13	48	4	55	7♏17	1	40
27	3	County Court *Bost.*	14	46	4	56	8 00	1	36
28	4		15	43	4	57	9 00	1	32
29	5		16	41	4	58	9 54	1	28
30	6	☌ ♀ ☾ □ ♃ ☿	17	38	4	59	10 47	1	24
31	7		18	36	5	01	11 37	1	21

Auguſt hath 31 dayes.

Laſt quar. 6 day 26 min. paſt 10 night.
New moon 14 day 55 min. paſt 12 Morn.
Firſt quar. 22 day 10 min. paſt 12 morn.
Full moon 29 day 6 min. paſt 1 afternoon.

1	1		19	33	♌	02	12	27	1	17	
2	2	△♄☽ ☌☿☽	20	31	♌	03	1	15	1	13	
3	3	✶ Sat. & Merc.	21	29	♌	05	2	00	1	09	
4	4	Lun. ☌♋	22	26	♌	06	2	50	1	05	
5	5		23	24	♌	07	3	42	1	02	
6	6	Lun Perige	24	22	♌	08	4	37	12	58	
7	7		25	20	♌	09	5	30	12	54	
8	1	☌♆☽ ✶♀	26	17	♌	11	6	27	12	51	
9	2		27	15	♌	12	7	M 00	12	47	
10	3	Commencement.	28	13	♌	14	8	00	12	44	
11	4		29	12	♌	15	9	00	12	40	
12	5		00	♍ 09	♌	17	9	56	12	36	
13	6	Merc. elong. a ☉	01	07	♌	18	10	48	12	32	
14	7		02	05	♌	19	11	39	12	28	
15	1	✶♄ ✶♂	03	02	♌	20	12	28	12	25	
16	2	☌☿☽ ☽☊	04	00	♌	22	1	08	12	21	
17	3		04	59	♌	24	1	48	12	18	
18	4		05	57	♌	25	2	33	12	14	
19	5	Lun apoge	06	50	♌	27	3	17	12	10	
20	6	♄☌♂ Conjuncti.	07	53	♌	28	4	00	12	07	
21	7		08	51	♌	29	4	49	12	03	
22	1	☌♆☽	09	49	♌	30	5	33	12	00	
23	2		10	47	♌	31	6	25	11	56	
24	3	△☉☽ △♀	11	46	♌	32	7	18	11	52	
25	4	☌♄ ☌♂	12	44	♌	34	7	M 57	11	49	
26	5	Sol & Venus Conj.	13	42	♌	35	8	41	11	45	
27	6		14	41	♌	37	9	30	11	42	
28	7	□♆☉	15	39	♌	39	10	23	11	38	
29	1	Mercury ſtationary	16	37	♌	41	11	12	11	34	
30	2		17	36	♌	42	12	00	11	30	
31	3	□♄☽ ✶♄♀	18	35	♌	43	12	52	11	26	

Sunsplace. Sun in Virgo. Full Sea at Boſton. Guards north.

September hath 30 dayes.

Last quar. 5 day 50 min. past 4 mor̃.
New moon 12 day 21 min. past 2 afternoon.
First quar. 20 day 54 min. past 5 afternoon.
Full moon 27 day 41 min past 3 afternoon.

			Suns place.		Sun riseth.		Full Sea Boston.		Guards north.	
1	4		19	32	5	44	1	45	11	22
2	5	C. Court Harford.	20	31	5	45	2	40	11	18
3	6	☽ perige.	21	30	5	47	3	37	11	14
4	7		22	29	5	49	4	32	11	10
5	1	☌♃☽ ☐♀☽	23	27	5	51	5	32	11	06
6	2		24	26	5	53	6	30	11	03
7	3	C. Assist. *Boston.*	25	25	5	55	7M	00	10	59
8	4		26	23	5	56	8	01	10	55
9	5	☌☉☿	27	22	5	58	8	52	10	51
10	6		28	21	5	59	9	40	10	48
11	7	☐♃☽ ☌☿☽	29	20	5	59	10	25	10	45
12	1	Sun eclipsed.	♌ 00	19	6	01	11	12	10	41
13	2	☌♀☽	01	18	6	02	11	53	10	37
14	3		02	17	6	03	12	34	10	33
15	4	☐♂☽ ✶♄☿	03	16	6	05	1	17	10	30
16	5	☽ apoge	04	15	6	07	2	05	10	27
17	6		05	14	6	09	2	50	10	24
18	7	Mer. stationary.	06	13	6	10	3	40	10	20
19	1		07	12	6	12	4	31	10	17
20	2		08	11	6	13	5	23	10	14
21	3	Court Newlondon	09	10	6	15	6	16	10	10
22	4	△♃♀ ✶♂☉	10	09	6	16	7	03	10	09
23	5		11	09	6	17	7M	31	10	04
24	6		12	08	6	18	8	18	10	00
25	7	Jup. stationary.	13	08	6	19	9	09	9	57
26	1	☌♀☽ ☐♄☿	14	07	6	20	10	00	9	54
27	2	☌♀☽ △♃☉	15	07	6	21	10	52	9	50
28	3	C. Ipsw & Springf.	16	06	6	23	11	45	9	46
29	4		17	06	6	24	12	40	9	42
30	5	Luna Perige.	18	05	6	26	1	38	9	38

October hath 31 dayes.

Last quarter 3 day 46 min past 12 noon.
New moon 12 day 21 min past 7 morning.
First quar. 20 day 52 min. past 8 morn.
Full moon 27 day 42 min past 8 morn.

16					19	5	6	27	2	35	9	34
27	☿ ☌ ☽	Conjunct.			20	5	6	29	3	37	9	30
31		✶☿♂			21	5	6	30	4	35	9	27
42					22	4	6	31	5	33	9	23
53	Court Cambridge.				23	4	6	32	6	31	9	20
64		□♄☉			24	4	6	34	7M	00	9	16
75					25	3	6	35	7	50	9	12
86					26	3	6	37	8	33	9	08
97	△♃♀		☽♌		27	3	6	39	9	17	9	04
101					28	3	6	40	10	00	9	01
112	☌♀☽		✶♂☿		29	3	6	41	10	42	8	57
123	C. Assist. Hartford				00 ♍	3	6	42	11	25	8	53
134		(C. Hampton.			1	3	6	43	12	12	8	50
145	Lun Apoge.				2	3	6	44	12	55	8	46
156					3	3	6	45	1	42	8	42
167	☌♃☽		△♂☽		4	3	6	47	2	30	8	38
171					5	3	6	48	3	20	8	35
182					6	3	6	49	4	13	8	30
193	☌♄☽		✶♀☽		7	3	6	50	5	02	8	26
204	☌♂☽		□☿☾		8	4	6	51	5	52	8	22
215					9	4	6	53	6	40	8	18
226	△☉☽		△☿☽		10	4	6	54	7M	07	8	14
237					11	5	6	56	7	50	8	10
241	☽♍		□♂♀		12	5	6	57	8	40	8	06
252		☌☉♅			13	5	6	59	9	30	8	03
263	Court Boston and				14	6	7	00	10	22	8	00
274		(Plim.			15	6	7	01	11	20	7	56
285					16	7	7	02	12	19	7	52
296		☽ Perige			17	7	7	03	1	20	7	48
307	☿ & ☽ Conj.				18	7	7	05	2	26	7	44
311					19	8	7	07	3	27	7	39

Sons Place. Sun riseth. Full Sea Boston. Guards north.

November hath 30 dayes.

Last quar. 3 day 42 min. past 12 morning.
New moon 11 day 36 min. past 1 morn.
First quar. 19 day 13 min. past 2 morn.
Full moon 25 day 45 min. past 6 night.

1	2		♂ ☌ ☽			20	09	7	08		4	28	7	35	
2	3	Court Fairfield.				21	10	7	09		5	19	7	31	
3	4					22	10	7	10		6	07	7	27	
4	5		△ ♄ ☉			23	11	7	11		6	40	7	22	
5	6					24	12	7	12		7	M 12	7	18	
6	7	☽ ☊	☍ ♅ ♀			25	13	7	13		7	54	7	14	
7	1					26	13	7	14		8	37	7	10	
8	2	□ ♄ ☽		□ ♂ ☿		27	14	7	15		9	17	7	05	
9	3					28	15	7	16		10	♋ 00	7	01	
10	4	Court Newhaven.				29	16	7	17		10	45	6	57	
11	5	Lun apoge				♌ 00	17	7	18		11	34	6	52	
12	6	☍ ♅ ☽		☍ ♀ ☽		01	18	7	19		12	24	6	48	
13	7		☍ ♅ ☿			02	19	7	20		1	14	6	44	
14	1					03	20	7	20		2	00	6	40	
15	2		☍ ♄ ☽			04	21	7	21		2	50	6	35	
16	3					05	22	7	22		3	40	6	31	
17	4	△ ♅ ☽	✶ ☿ ☽			06	23	7	23		4	30	6	27	
18	5					07	24	7	23		5	20	6	23	
19	6	☌ ♂ ☽		□ ♅ ☽		08	25	7	24		6	05	6	19	
20	7	*Moon in the Dragons*				09	26	7	25		6	50	6	14	
21	1	*Tail.*				10	27	7	25		7	M 14	6	10	
22	2	☌ ♅ ☉		□ ♂ ☉		11	28	7	26		8	03	6	06	
23	3					12	29	7	27		9	00	6	02	
24	4		Lun Perige			13	30	7	27		9	55	5	58	
25	5					14	31	7	28		10	56	5	53	
26	6					15	32	7	29		11	58	5	49	
27	7	☍ ♀ ☽		☍ ☿ ☽		16	34	7	29		1	♎ 00	5	45	
28	1		♂ ♄ ☽			17	35	7	30		2	00	5	40	
29	2					18	36	7	30		3	00	5	36	
30	3	Court Salem.				19	37	7	31		3	57	5	31	

Suns place. Sun riseth. Full Sea at Bolton. Guards north.

December hath 31 dayes.

Last quar. 2 day 56 min. past 4 afternoon.
New moon 10 day 56 min. past 10 night.
First quarter 18 day 57 min. past 2 afternoon.
Full moon 25 day 45 min past 3 morning.

				Suns place.	Sun rise h.		Full Sea *Boston.*		Guards north.	
1	4	☌☌♀		20 38	7	31	4	45	5	27
2	5		☽☌☌	21 40	7	32	5	25	5	22
3	6	Lnu.♌		22 41	7	32	6	05	5	18
4	7			23 42	7	33	6	45	5	14
5	1		□♄☽	24 43	7	33	7M	07	5	08
6	2	☌♄♀		25 45	7	33	7	47	5	03
7	3			26 46	7	34	8	30	4	59
8	4	☿ elong. a Sole		27 47	7	34	9	15	4	54
9	5	☌♅☽ Lun apoge		28 48	7	34	10	09	4	50
10	6			29 50	7	34	10	45	4	46
11	7			00 ♈ 51	7	34	11	42	4	42
12	1	☌♄☽ ☌♄☿		1 52	7	34	12	39	4	37
13	2	☌♀☽		2 54	7	34	1	27	4	32
14	3			3 55	7	34	2	15	4	28
15	4			4 56	7	34	3	00	4	23
16	5	✶☉☽ Mer.ſtat.		5 58	7	34	3	47	4	19
17	6	☌♂☽		7 0	7	33	4	32	4	14
18	7	☌♄☿		8 1	7	33	5	18	4	10
19	1			9 2	7	33	6	03	4	6
20	2	△♅♀		10 3	7	32	6	53	4	1
21	3	C. Charlſtown.		11 4	7	32	7M	23	3	57
22	4	♅☽ conjuncti.		12 6	7	31	8	26	3	52
23	5	Moon perige		13 7	7	31	9	16	3	48
24	6	Sol & Mer. conj.		14 8	7	30	10	20	3	43
25	7		☌♄☽	15 9	7	29	11	20	3	39
26	1			16 11	7	29	12	22	3	34
27	2	☌♀☽		17 12	7	28	1	16	3	30
28	3			18 13	7	28	2	11	3	25
29	4	△☉☽	☌♄☉	19 15	7	27	3	07	3	21
30	5		☽☌♂	20 16	7	27	3	47	3	16
31	6			21 17	7	26	4	33	3	12

January hath 31 dayes.

Last quarter 1 day 41 min past 11 noon.
New moon 9 day 15 min past 3 afternoon.
First quar. 17 day 48 min. past 12 morn.
Full moon 23 day 29 min past 5 evening.
Last quar. 31 day 50 min. past 7 morning.

1	7	☐♄☽ △♀☽	22	18	7	25	5	1	3	07			
2	1		23	19	7	Sun	25	5	56	3		Guards north.	03
3	2	△♄☽ △♂☉	24	20	7	Sun	24	6	37	2			59
4	3	*☉☽	25	22	7	rileth.	23	7	07	2			54
5	4	Lun Apoge.	26	23	3		22	7	M 49	2			50
6	5		27	24	7		21	8	33	2			46
7	6		28	26	7		21	9	22	2			42
8	7	☌♄☽ ☌☿☽	29	27	7		20	10	12	2			38
9	1	☌☉☽ △☌☽	♒00	28	7		19	11	04	2			33
10	2		1	29	7		18	11	57	2			29
11	3		2	30	7		17	12	44	2			25
12	4	☌♀☽ ☐♅♀	3	31	7		16	1	32	2			21
13	5	☌☌☽ ☽♁	4	32	7		15	2	17	2			17
14	6	☌stationary.	5	33	7		14	3	03	2			13
15	7	△♅☉	6	34	7		13	3	53	2			09
16	1		7	35	7		12	4	43	2			05
17	2		8	36	7		11	5	40	2			01
18	3	☌♅☽ △☌☽	9	37	7		10	6	37	1			57
19	4	△☉☽	10	38	7		9	7	32	1			53
20	5		11	39	7		8	8M	00	1			49
21	6	☌♄☽ ☽ Perige	12	40	7		7	9	00	1			45
22	7	*☌☽ ☌♄♀	13	41	7		6	10	04	1			41
23	1		14	42	7		5	11	02	1			36
24	2	Jupiter stationary.	15	43	7		4	11	56	1			31
25	3	C. Court Boston.	16	44	7		3	12	48	1			27
26	4	☌☌☽ ☌☌♀	17	45	7		2	1	31	1			23
27	5	△☌♀	18	47	7		1	2	15	1			19
28	6		19	48	6		59	3	00	1			15
29	7	☐☿☽	20	47	6		57	3	42	1			11
30	1		21	48	6		56	4	27	1			07
31	2	*☌☽ *☿☽	22	49	6		54	5	15	1			03

Suns Place.

Full Sea Boston.

February hath 28 dayes.

New moon 8 day 11 min. past 7 morning.
First quar. 15 day 8 morning.
Full moon 22 day 28 min past 6 morn.

			Suns place.		Sun riseth.		Full Sea Boston.		Guards north.	
1	3	☌♄☽	23	48	6	52	5	57	1	08
2	4		24	49	6	50	6	50	12	56
3	5	□♀☽ △♅♆	25	49	6	49	7	Mi 45	12	52
4	6	☽ Apoge	26	51	6	48	8	06	12	48
5	7		27	51	6	47	8	53	12	44
6	1	△♅☽ ☌♃☽	28	52	6	46	9	42	12	40
7	2		29	52	6	44	10	35	12	36
8	3	□♅☽ ☽♍	00	♓ 53	5	42	11	23	12	32
9	4		01	53	5	40	12	13	12	28
10	5		02	53	6	39	1	08	12	25
11	6	□♄☽ ☌♀☽	03	54	6	38	1	48	12	21
12	7		04	54	6	37	2	40	12	17
13	1	△☌☽ □♄♀	05	54	5	36	3	31	12	13
14	2		06	54	5	35	4	22	12	09
15	3	☌♅☽ ☐☌☽	07	55	5	34	5	19	12	06
16	4	☽ perige.	08	55	5	32	6	20	12	02
17	5	△☉☽	09	55	5	31	7	23	11	58
18	6	☌♄☽	10	55	6	29	7	Mi 53	11	54
19	7		11	55	5	28	8	45	11	50
20	1		12	55	5	27	9	43	11	47
21	2	□♅☽ ☌♀☽	13	55	5	26	10	37	11	43
22	3	☌☌☉ and Moon	14	5	5	24	11	25	11	40
23	4	(Eclipsed vif.	15	55	5	22	12	13	11	36
24	5		16	55	5	20	1	00	11	32
25	6	☌♀☽ ☌☌♀	17	55	5	18	1	42	11	28
26	7		18	55	5	16	2	26	11	24
27	1	△☉☽ △♄☽	19	55	5	14	3	11	11	22
28	2		20	55	5	13	3	55	11	18

The Natures and Operations of the ſeven Planets, with the Names and Characters given them by ASTRONOMERS.

THe higheſt of the Planets called *Saturn* ♄. is by nature cold and dry, in Summer abateing heat, and in Winter increaſing cold.

♃ *Jupiter*. By nature hot and moiſt, cauſes Fairweather mitigates the cold of Winter, and heat of Summer, being eaſt-ward of the Sun he increaſes heat, and weſtward moiſture. *Card.*

♂ *Mars* is hot and dry in exceſs, cauſing extream heat in Summer, and warm air in Winter, likewiſe Storms of Rain, Hail, Thunder, Lightning.

☉ The *Sun* by nature hot and dry, the general mover of Vapors, diſtributer of Light to the other Planets.

♀ *Venus* is temperately hot and moiſt, ſhe warms little and moiſtneth much, leſſens the drought of Summer.

☿ *Mercury* is by nature mutable, according to the ſign or nature of the Star he is withal, he is thought to cauſe winds in watery and earthy ſigns, and Thunder and Lightning in Fiery and Airy Signs.

☽ *Moon* by nature cold and moiſt moving the waters. Aſtrologers allow the Moon theſe temperatures, from the change to the Quarter, cold and moiſt: From thence to Full moiſt and warm: from the Full to the laſt Quarter, dry and but little warm, from thence to the Change, cold and dry. Theſe Effects of the Planets are more apparent when they are near the Earth, and when in ☌ Conjunction ☍ with others of the ſame nature: ſo likewiſe being aſſociated with fixt Stars of like Influence increaſeth their operation. And the full ☽ is conceived cold in Summer, and temperate in the Winter Seaſon; the new Moon warm in Summer, and produceth the coldeſt nights in Winter; and in general the conjunctions of the *Luminaries* bring faireſt weather, and their oppoſitions the greateſt ſtore of Rain. *Card.*

Spring Tides.

March. From the 18. to the 25 day, and are higheſt about the 21 day.

April. from the 16 day to the 22, and very high the 18 and the 19 dayes.

May. Begin to riſe the 14 and higheſt the 18 day: the Moon being then near a ☌ with moſt of the other Planets may cauſe the Sea to ſwel to an unuſual height, and produce ſome remarkable change of Air.

June. From the 12 day to the 17: are higheſt about the 14 day.

July. From the 9 to the 16.

Auguſt. The Moons Perige hapning between the Full and the Change of the Moon will cauſe indifferent high Tides, from the beginning of the Moneth to 15 day, but not very high any day, unleſs increaſed by the Weather. After that very low till about the 30 day.

September. The Moneth begins and ends with a full Tide, and (I think) no very great Tides to be expected at the Change of the Moon.

October From 26 day to the end of the Moneth.

November. From 23 day to the 28.

December. From 21 day to the 26.

January. From 19 day to the 24.

February. Both at Change of the Moon, and at the Full; or from the Change to the Full you may expect Tides higher then ordinary.

The Example of the Guards Northing, mentioned in the ſecond Page, is unhappily miſtaken: take therefore here another example. *March* 10. *Guards north* 10 41. that is, are directly over the Pole 41 *min.* paſt 10. at night. Note alſo that they point to the eaſt and weſt parts of our Horizon 6 hours before, and 6 hours after the time of their coming to the North.